Abstract of the Disclosure

The invention relates to a connecting arrangement (1) for coolant lines (2) and especially for motor vehicle climate control systems operated with CO_2. The connecting arrangement (1) includes a first coupling piece (4) connected seal-tight to a first line endpiece (3) and a second coupling piece (6) connected seal-tight to a second line endpiece (5). Both coupling pieces (4, 6) are joined to each other via an attachment device in such a manner that the line endpieces (3, 5) are connected to each other via respective bores (16) in the coupling pieces (4, 6). For this purpose, the two coupling pieces (4, 6) each have a radially extending sealing surface (8, 9) on the side facing toward the other coupling piece (6, 4). A sealing ring (10) is mounted between the sealing surfaces (8, 9). Only a single screw (11) is provided as attachment device and is arranged laterally offset from the sealing surfaces (8, 9). A non-compressible form body (13) is mounted as a spacer between the coupling pieces (4, 6) at a spacing from the screw (11) on the side (12) which faces away from the sealing surfaces (8, 9) of the coupling pieces (4, 6). The form body (13) is so configured that a lever action occurs when the coupling pieces (4, 6) are joined to each other by a threaded fastener. The lever action leads to a uniform pressing together of the sealing ring (10) between the sealing surfaces (8, 9) of the coupling pieces (4, 6).